

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M99993
Date Received: 10/12/06
Date Extracted: 10/16/06
Date Analyzed: 10/16/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M99993, F&BI 610196
Lab ID: 610196-01 10x
Data File: 609196-01 10x.055
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	94	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	926
Nickel	1,500
Copper	1,240
Zinc	54.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: NA
Date Extracted: 10/16/06
Date Analyzed: 10/16/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M99993, F&BI 610196
Lab ID: I6-405 mb
Data File: I6-405 mb.032
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	95	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<2

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 10/20/06

Date Received: 10/12/06

Project: Metro Self Monitor, PO# M99993, F&BI 610196

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY EPA METHOD 200.8**

Laboratory Code: 610234-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	7.63	7.80	2	0-20
Nickel	ug/L (ppb)	1.38	1.43	4	0-20
Copper	ug/L (ppb)	<1	<1	nm	0-20
Zinc	ug/L (ppb)	7.01	5.59	23 a	0-20

Laboratory Code: 610234-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	7.63	105 b	50-150
Nickel	ug/L (ppb)	20	1.38	103	50-150
Copper	ug/L (ppb)	20	<1	100	50-150
Zinc	ug/L (ppb)	50	7.01	100	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	110	70-130
Nickel	ug/L (ppb)	20	111	70-130
Copper	ug/L (ppb)	20	109	70-130
Zinc	ug/L (ppb)	50	103	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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October 20, 2006

DUPLICATE COPY

INVOICE # 06ACU1020-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M99993, F&BI 610196 - Results of testing
requested by Gerry Thompson for material submitted on October 12, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample \$ 80.00

Amount Due \$ 80.00

FEDERAL TAX ID # (b) (6)

610196

SAMPLE CHAIN OF CUSTODY

ME 10/12/06

BT 2

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

GERARD THOMPSON

ALASKAN Copper Work

628 Harbor ST.

Seattle WA 98023

206-382-8774 Fax# 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

METRO Self monitor

M99993

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes			
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS								
M99993	01	10/12/06	12:30	H2O	1														

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

GERARD Thompson

Brend Benson

Aew

F&M

10/12/06

10/12/06

2:27pm

2:27pm

Samples received at 24 °C

AKC-000723

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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October 20, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 12, 2006 from the Metro Self Monitor, PO# M99993, F&BI 610196 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU1020R